

Raw Sequence Listing Form Summary

ERROR DETECTED SUGGESTED CORRECTION

SERIAL NUMBER: 09/580,893A

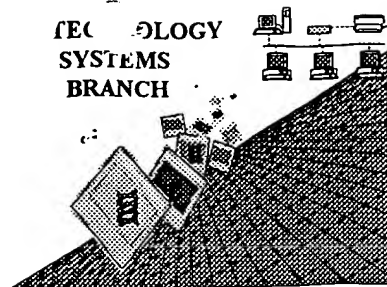
ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1 Wrapped Nucleics The number/text at the end of each line "wrapped" down to the next line.
This may occur if your file was retrieved in a word processor after creating it.
Please adjust your right margin to .3, as this will prevent "wrapping".
- 2 Wrapped Aminos The amino acid number/text at the end of each line "wrapped" down to the next line.
This may occur if your file was retrieved in a word processor after creating it.
Please adjust your right margin to .3, as this will prevent "wrapping".
- 3 Incorrect Line Length The rules require that a line not exceed 72 characters in length. This includes spaces.
- 4 Misaligned Amino Acid The numbering under each 5th amino acid is misaligned. This may be caused by the use of tabs
Numbering between the numbering. It is recommended to delete any tabs and use spacing between the numbers.
- 5 Non-ASCII This file was not saved in ASCII (DOS) text, as required by the Sequence Rules.
Please ensure your subsequent submission is saved in ASCII text so that it can be processed.
- 6 Variable Length Sequence(s) contain n's or Xaa's which represented more than one residue.
As per the rules, each n or Xaa can only represent a single residue.
Please present the maximum number of each residue having variable length and
indicate in the (ix) feature section that some may be missing.
- 7 PatentIn ver. 2.0 "bug" A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid
sequence(s) . Normally, PatentIn would automatically generate this section from the
previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section
to the subsequent amino acid sequence. This applies primarily to the mandatory <220>-<223>
sections for Artificial or Unknown sequences.
- 8 Skipped Sequences Sequence(s) missing. If intentional, please use the following format for each skipped sequence:
(OLD RULES) (2) INFORMATION FOR SEQ ID NO:X:
(i) SEQUENCE CHARACTERISTICS:(Do not insert any headings under "SEQUENCE CHARACTERISTICS")
(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X:
This sequence is intentionally skipped

Please also adjust the "(iii) NUMBER OF SEQUENCES:" response to include the skipped sequence(s).
- 9 Skipped Sequences Sequence(s) missing. If intentional, please use the following format for each skipped sequence.
(NEW RULES) <210> sequence id number
 <400> sequence id number
 000
- 10 Use of n's or Xaa's Use of n's and/or Xaa's have been detected in the Sequence Listing.
(NEW RULES) Use of <220> to <223> is MANDATORY if n's or Xaa's are present.
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
- 11 Use of <213>Organism Sequence(s) are missing this mandatory field or its response.
(NEW RULES)
- 12 Use of <220>Feature Sequence(s) are missing the <220>Feature and associated headings.
(NEW RULES) Use of <220> to <223> is MANDATORY if <213>ORGANISM is "Artificial" or "Unknown"
Please explain source of genetic material in <220> to <223> section.
(See "Federal Register," 6/01/98, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of new Rules)
- 13 PatentIn ver. 2.0 "bug" Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted
"file," resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing).
Instead, please use "File Manager" or any other means to copy file to floppy disk.

RAW SEQUENCE LISTING
ERROR REPORT

TEC OLOGY
SYSTEMS
BRANCH



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/580,893A
Source: 1653
Date Processed by STIC: 3/27/2001

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY.

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

Checker Version 3.0

The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 - 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO).

Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address:

<http://www.uspto.gov/web/offices/pac/checker>

1653

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/580,893A

DATE: 03/27/2001
TIME: 07:31:02

Input Set : A:\00144us1.app
Output Set: N:\CRF3\03272001\I580893A.raw

Does Not Comply
Corrected Diskette Needed

3 <110> APPLICANT: SANDBERG, LAWRENCE B.
4 MITTS, THOMAS F.
5 JIMENEZ JR., FELIPE
7 <120> TITLE OF INVENTION: ASPARAGINE CONTAINING ELASTIN PEPTIDE ANALOGS
9 <130> FILE REFERENCE: 00-144-US
11 <140> CURRENT APPLICATION NUMBER: 09/580,893A
12 <141> CURRENT FILING DATE: 2000-05-30
14 <160> NUMBER OF SEQ ID NOS: 75
16 <170> SOFTWARE: PatentIn Ver. 2.1
18 <210> SEQ ID NO: 1
19 <211> LENGTH: 3
20 <212> TYPE: PRT
21 <213> ORGANISM: mammalian
23 <400> SEQUENCE: 1
24 Ala Val Gly
25 1
28 <210> SEQ ID NO: 2
29 <211> LENGTH: 4
30 <212> TYPE: PRT
31 <213> ORGANISM: mammalian
33 <400> SEQUENCE: 2
34 Val Gly Ala Gly
35 1
38 <210> SEQ ID NO: 3
39 <211> LENGTH: 3
40 <212> TYPE: PRT
41 <213> ORGANISM: mammalian
43 <400> SEQUENCE: 3
44 Ile Gly Gly
45 1
48 <210> SEQ ID NO: 4
49 <211> LENGTH: 2
50 <212> TYPE: PRT
51 <213> ORGANISM: mammalian
53 <400> SEQUENCE: 4
54 Leu Gly
55 1
58 <210> SEQ ID NO: 5
59 <211> LENGTH: 4
60 <212> TYPE: PRT
61 <213> ORGANISM: mammalian
63 <400> SEQUENCE: 5
64 Ile Gly Ala Gly
65 1
68 <210> SEQ ID NO: 6
69 <211> LENGTH: 3
70 <212> TYPE: PRT

my 4/5

RECEIVED
APR 04 2001
TECH CENTER 1800/2900

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/580,893A

DATE: 03/27/2001

TIME: 07:31:02

Input Set : A:\00144us1.app

Output Set: N:\CRF3\03272001\I580893A.raw

71 <213> ORGANISM: mammalian
73 <400> SEQUENCE: 6
74 Leu Gly Gly
75 1
78 <210> SEQ ID NO: 7
79 <211> LENGTH: 4
80 <212> TYPE: PRT
81 <213> ORGANISM: mammalian
83 <400> SEQUENCE: 7
84 Val Ala Pro Gly
85 1
88 <210> SEQ ID NO: 8
89 <211> LENGTH: 4
90 <212> TYPE: PRT
91 <213> ORGANISM: mammalian
93 <400> SEQUENCE: 8
94 Leu Gly Pro Gly
95 1
98 <210> SEQ ID NO: 9
99 <211> LENGTH: 4
100 <212> TYPE: PRT
101 <213> ORGANISM: mammalian
103 <400> SEQUENCE: 9
104 Leu Gly Ala Gly
105 1
108 <210> SEQ ID NO: 10
109 <211> LENGTH: 4
110 <212> TYPE: PRT
111 <213> ORGANISM: mammalian
113 <400> SEQUENCE: 10
114 Val Gly Pro Gly
115 1
118 <210> SEQ ID NO: 11
119 <211> LENGTH: 4
120 <212> TYPE: PRT
121 <213> ORGANISM: mammalian
123 <400> SEQUENCE: 11
124 Phe Gly Pro Gly
125 1
128 <210> SEQ ID NO: 12
129 <211> LENGTH: 4
130 <212> TYPE: PRT
131 <213> ORGANISM: mammalian
133 <400> SEQUENCE: 12
134 Val Gly Pro Gln
135 1
138 <210> SEQ ID NO: 13
139 <211> LENGTH: 3
140 <212> TYPE: PRT

RAW SEQUENCE LISTING

DATE: 03/27/2001

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TIME: 07:31:02

Input Set : A:\00144us1.app

Output Set: N:\CRF3\03272001\I580893A.raw

141 <213> ORGANISM: mammalian
143 <400> SEQUENCE: 13
144 Leu Gly Ala
145 1
148 <210> SEQ ID NO: 14
149 <211> LENGTH: 4
150 <212> TYPE: PRT
151 <213> ORGANISM: mammalian
153 <400> SEQUENCE: 14
154 Val Gly Pro Ala
155 1
158 <210> SEQ ID NO: 15
159 <211> LENGTH: 4
160 <212> TYPE: PRT
161 <213> ORGANISM: mammalian
163 <400> SEQUENCE: 15
164 Val Val Pro Gly
165 1
168 <210> SEQ ID NO: 16
169 <211> LENGTH: 4
170 <212> TYPE: PRT
171 <213> ORGANISM: mammalian
173 <400> SEQUENCE: 16
174 Ala Val Pro Gly
175 1
178 <210> SEQ ID NO: 17
179 <211> LENGTH: 4
180 <212> TYPE: PRT
181 <213> ORGANISM: mammalian
183 <400> SEQUENCE: 17
184 Val Val Pro Gln
185 1
188 <210> SEQ ID NO: 18
189 <211> LENGTH: 6
190 <212> TYPE: PRT
191 <213> ORGANISM: mammalian
193 <400> SEQUENCE: 18
194 Val Ala Ala Arg Pro Gly
195 1 5
198 <210> SEQ ID NO: 19
199 <211> LENGTH: 7
200 <212> TYPE: PRT
201 <213> ORGANISM: mammalian
203 <400> SEQUENCE: 19
204 Leu Gly Ala Gly Gly Ala Gly
205 1 5
208 <210> SEQ ID NO: 20
209 <211> LENGTH: 4
210 <212> TYPE: PRT

RAW SEQUENCE LISTING

DATE: 03/27/2001

PATENT APPLICATION: US/09/580,893A

TIME: 07:31:02

Input Set : A:\00144us1.app

Output Set: N:\CRF3\03272001\I580893A.raw

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211 <213> ORGANISM: mammalian
213 <400> SEQUENCE: 20
214 Ala Ile Pro Gly
215 1
218 <210> SEQ ID NO: 21
219 <211> LENGTH: 5
220 <212> TYPE: PRT
221 <213> ORGANISM: mammalian
223 <400> SEQUENCE: 21
224 Leu Gly Pro Gly Gly
225 1 5
228 <210> SEQ ID NO: 22
229 <211> LENGTH: 5
230 <212> TYPE: PRT
231 <213> ORGANISM: mammalian
233 <400> SEQUENCE: 22
234 Ala Ala Ala Gln Ala
235 1 5
238 <210> SEQ ID NO: 23
239 <211> LENGTH: 5
240 <212> TYPE: PRT
241 <213> ORGANISM: mammalian
243 <220> FEATURE:
244 <221> NAME/KEY: MOD_RES
245 <222> LOCATION: (4)
247 <400> SEQUENCE: 23
w--> 248 Val Gly Val Xaa Gly
249 1 5
252 <210> SEQ ID NO: 24
253 <211> LENGTH: 5
254 <212> TYPE: PRT
255 <213> ORGANISM: mammalian
257 <400> SEQUENCE: 24
258 Val Tyr Pro Gly Gly
259 1 5
262 <210> SEQ ID NO: 25
263 <211> LENGTH: 6
264 <212> TYPE: PRT
265 <213> ORGANISM: mammalian
267 <400> SEQUENCE: 25
268 Ile Gly Gly Val Gly Gly
269 1 5
272 <210> SEQ ID NO: 26
273 <211> LENGTH: 6
274 <212> TYPE: PRT
275 <213> ORGANISM: mammalian
277 <400> SEQUENCE: 26
278 Val Ala Pro Gly Val Gly
279 1 5

```

what does Xaa represent? Explain in <223> response.

(See item 10 on Error Summary sheet)

RAW SEQUENCE LISTING

DATE: 03/27/2001

PATENT APPLICATION: US/09/580,893A

TIME: 07:31:02

Input Set : A:\00144us1.app

Output Set: N:\CRF3\03272001\I580893A.raw

282 <210> SEQ ID NO: 27
283 <211> LENGTH: 5
284 <212> TYPE: PRT
285 <213> ORGANISM: mammalian
287 <400> SEQUENCE: 27
288 Leu Gly Val Gly Gly
289 1 5
292 <210> SEQ ID NO: 28
293 <211> LENGTH: 4
294 <212> TYPE: PRT
295 <213> ORGANISM: mammalian
297 <400> SEQUENCE: 28
298 Leu Val Pro Gly
299 1
302 <210> SEQ ID NO: 29
303 <211> LENGTH: 5
304 <212> TYPE: PRT
305 <213> ORGANISM: mammalian
307 <400> SEQUENCE: 29
308 Phe Arg Ala Ala Ala
309 1 5
312 <210> SEQ ID NO: 30
313 <211> LENGTH: 6
314 <212> TYPE: PRT
315 <213> ORGANISM: mammalian
317 <400> SEQUENCE: 30
318 Val Gly Gly Val Pro Gly
319 1 5
322 <210> SEQ ID NO: 31
323 <211> LENGTH: 5
324 <212> TYPE: PRT
325 <213> ORGANISM: mammalian
327 <400> SEQUENCE: 31
328 Phe Gly Pro Gly Gly
329 1 5
332 <210> SEQ ID NO: 32
333 <211> LENGTH: 5
334 <212> TYPE: PRT
335 <213> ORGANISM: mammalian
337 <400> SEQUENCE: 32
338 Val Gly Val Pro Gly
339 1 5
342 <210> SEQ ID NO: 33
343 <211> LENGTH: 6
344 <212> TYPE: PRT
345 <213> ORGANISM: mammalian
347 <400> SEQUENCE: 33
348 Val Leu Pro Gly Ala Gly
349 1 5

FYI

Please Note:

Use f n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

VERIFICATION SUMMARY

DATE: 03/27/2001

PATENT APPLICATION: US/09/580,893A

TIME: 07:31:03

Input Set : A:\00144us1.app

Output Set: N:\CRF3\03272001\I580893A.raw

L:248 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:23
L:248 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:23
L:362 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:34
L:362 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:34